

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/02100

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 E21B37/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 380 136 B1 (BATES CHRISTOPHER IAN ET AL) 30 April 2002 (2002-04-30) column 1, line 42 -column 2, line 53 column 3, line 1 - line 24 column 10, line 1 - line 49	1,3-9, 20-22,30
X	claims 1,3,4,9-16; examples 1,2	10, 14-16, 23,29,30
Y	US 5 089 150 A (HEN JOHN) 18 February 1992 (1992-02-18) column 2, line 17 - line 68 column 3, line 11 -column 4, line 24; examples 1,2,5	1,3-9

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

14 August 2003

Date of mailing of the international search report

25/08/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Boulon, A

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/02100

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>WO 02 40828 A (COCKBAIN JULIAN ;AUNE ODDVAR ARNFINN (NO); SELLE OLAV MARTIN (NO);) 23 May 2002 (2002-05-23) page 7, line 25 -page 8, line 16 -----</p>	<p>1,3-9, 20-22,30</p>

INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No

PCT/GB 03/02100

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6380136	B1	30-04-2002	AU 722167 B2 27-07-2000
			AU 2970297 A 05-01-1998
			BR 9709380 A 02-05-2000
			DE 69714991 D1 02-10-2002
			DE 69714991 T2 24-04-2003
			EA 1879 B1 22-10-2001
			EP 0902859 A1 24-03-1999
			ES 2185018 T3 16-04-2003
			WO 9745625 A1 04-12-1997
			GB 2330602 A ,B 28-04-1999
			NO 985557 A 01-02-1999
			PT 902859 T 31-12-2002
			US 2002128157 A1 12-09-2002
US 5089150	A	18-02-1992	NONE
WO 0240828	A	23-05-2002	AU 1512502 A 27-05-2002
			WO 0240828 A1 23-05-2002